

FIELD CHANGE ORDER

Service

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Released by : T. Frenschek **signed**
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Product Group : 742



OPTIMUS RAD / C

APPLIES TO

All OPTIMUS RAD / C generators

PEI	Type	Serial number
9890 000 61612	50KW OPTIMUS RAD, 1T	040898
9890 000 61713	50KW OPTIMUS RAD, 1T	040755-040758, 040800-040801, 040803-040805, 040839-040840
9890 000 61723	65/80KW OPTIMUS RAD, 1T	040718-040720, 040794-040799, 040825-040830, 040887-040888
9890 000 61733	65/80KW OPTIMUS RAD, 1T	040769-040774, 040785-040793, 040848-040856
9890 000 61743	50KW OPTIMUS RAD, 1T	040661, 040777-040778, 040831--040833, 040858-040860, 040893-040894
9890 000 61763	30/40/50KW OPTIMUS RAD, 1T	040752, 040761-040765, 040808-040812, 040820-040824, 040834-040838
9890 000 02001	50/65/80 OPTIMUS RAD, 1T+2T	040779-040784, 040806-040807, 040813-040819, 040845-040847, 040857, 040866-040869, 040897
9890 000 02021	50/65/80KW OPTIMUS C, 1T	046111-406132

TITLE

Replacement kit PCB "Current limiter"

LIST OF PAGES & DRAWINGS

1...3 (0.4)
ANR (0.4)

INTRODUCTION

Symptom : Sporadic errors in the HV and the power circuit, such as 02XX
Cause : Soiling of the pins of connector X1 of the current limiter
Remedy : Exchange of PCB "Current limiter"

MANPOWER / TIME TO COMPLETE

1 service engineer, 0.5 hour for OPTIMUS 50KW
1 service engineer, 1.0 hour for OPTIMUS 65 / 80KW

TOOLS & TEST EQUIPMENT

TC129 Standard set of service tools

MODIFICATION KIT / PARTS REQUIRED

4512 105 00591

Kit contents

2NC	Description
4512 178 00241	Current limiter
4512 980 61831	This FCO

Ordering information: The SSDs are notified of the quantity by Service Logistics International, Hamburg.
Kits are delivered free of charge until November, 2005.

PROCEDURE

1 EXCHANGE OF PCB "CURRENT LIMITER"

1.1 General

When room mains is present turn OFF the room mains switch.



WARNING

Dangerous capacitor voltage after switch-off. Discharge time 1 minute.



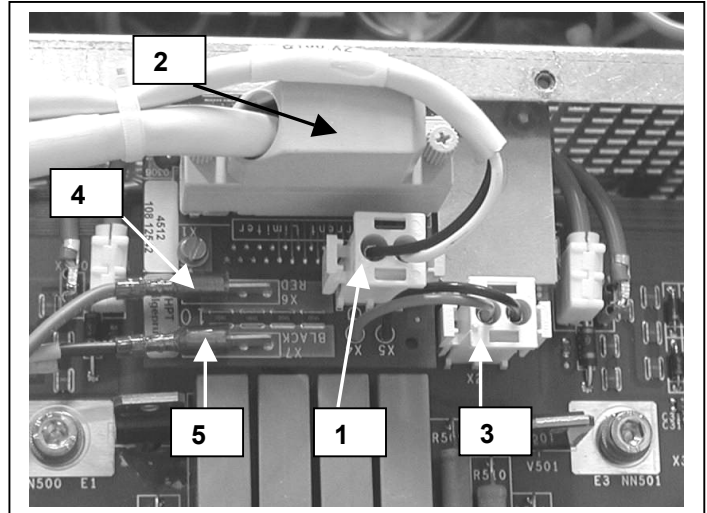
WARNING

When handling PCBs take all necessary electro-static discharge (ESD) precautions!

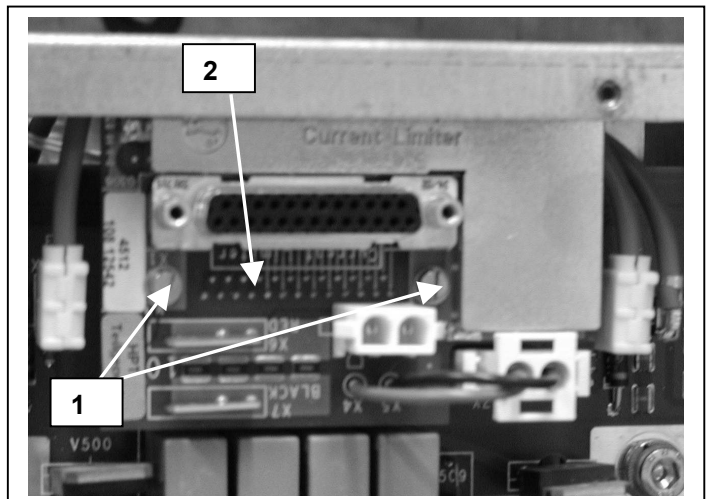
1.2 INSTALLATION OF PCB "CURRENT LIMITER E(2)Q 100"

- Switch OFF the generator before starting any work.
- Open the generator cabinet.
- Turn OFF ENF1.
- Open the converter cover EQ and, when present, E2Q.

- Remove EQ 100E X2 (1)
(and, when present, E2Q 100E X2).
- Remove EQ 100E X1 (2)
(and, when present, E2Q 100E X1).
- Remove EQ 100 X2 (3)
(and, when present, E2Q 100 X2).
- Remove EQ 100E X6 (4)
(and, when present, E2Q 100E X6).
- Remove EQ 100E X7 (5)
(and, when present, E2Q 100E X7).



- Remove the two screws of PCB
"Current limiter" EQ 100E (1)
(and, when present, from E2Q 100E).
- Remove PCB "Current limiter" EQ 100E (2)
(and, when present, E2Q 100E).
- Install the new PCB "Current limiter"
EQ 100E at EQ 100 X1
(and, when present, at E2Q 100 X1).
- Fasten the new PCB with the two screws
formerly removed.
- Reestablish all connections formerly
removed at their original positions
(see service manual binder Converter R/F).



1.3 FINAL TEST

- Close the converter cover.
- Close the generator cabinet.
- Switch ON the generator.
- Test all applicable functions.

PARTS DISPOSAL

All parts are to be disposed of in a safe way in accordance with local safety regulations.

DOCUMENTATION

- Log this action in the section "History Record" of the System Reference Manual.
- File this FCO in the section "Service Information" of the System Reference Manual.
- Fill out the attached Action Notification Report and send it to your SSD Customer Services Manager.

For local SSD use only; do not return to PMG.

BRANCH _____ REGION / _____ DEALER : _____ _____ SIGNATURE CUSTOMER SERVICES ENGINEER _____ SIGNATURE CUSTOMER SERVICES MANAGER	SERVICE UNIT / _____ SERVICE AREA NO.: _____ _____ DATE MAIL TO : SSD Customer Services Manager
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